

Lesson Plan:



An Alternative to Frog Dissection

Ages: 8+

Duration: 60 minutes

Group size: 2 - 12

Traditional frog dissection has long been part of science classrooms. The FrogXplore Dissection Kit offers a humane, hands-on alternative that allows students to explore frog anatomy without the use of real specimens.

In this activity, students will identify major external and internal frog structures, examine how organ systems work together, and build a layered model to better understand amphibian anatomy.



Activity:

Begin with a brief discussion about frogs as amphibians and why they have traditionally been used in dissection studies. Talk about structure and function - how each organ plays a role in helping the frog survive. Use the booklet included in the kit to discuss.

1. Ask students to look at each model layer at a time and read about the layer in the booklet included in the kit.
2. Compare and contrast the organs they see on the frog to their own organs: skin, brain, heart, stomach, etc.
3. Ask students to layer the sheets together and think about how the circulatory, respiratory, and digestive systems all work in unison. Ask them to think of how the same applies to their own bodies!

Optional:

- Ask students to create a labeled frog diagram from memory.
- Talk through the frog life cycle. Information on this is included in the booklet provided in the kit.

Supplies Needed:

1. Roylco FrogXplore Dissection Kit - have 1 kit for up to 4 students.
2. Science Journal or Notebook
3. Pencils & Pens